

## INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/052607

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER B01J23/02 C07C1/24 B01J21/00	6								
According to International Patent Classification (IFC) or to both national classification and IPC										
	SEARCHED cumentation searched (classification system followed by classification	n symbols)								
IPC 7	B01J C07C	. symbols)								
Documentat	ion searched other than minimum documentation to the extent that su	ich documents are included in the fields sea	rcnea							
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)										
EPO-Internal										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.							
X	US 4 681 979 A (ARAKI ET AL) 21 July 1987 (1987-07-21) example 1; tables 1,2		12-16							
Х	US 5 210 363 A (SWEENEY ET AL) 11 May 1993 (1993-05-11) claims 1-4; examples; table B		12-16							
Х	EP 0 219 609 A (PHILLIPS PETROLEU COMPANY) 29 April 1987 (1987-04-2 page 2, column 1, line 4 - line 3 page 3, column 1, line 1 - line 1 examples	12-16								
	<u></u>	·	·							
Furt	her documents are listed in the continuation of box C.	χ Patent family members are listed in	n annex.							
° Special ca	ategories of ciled documents:	'T' later document published after the inte	rnational filing date							
*A* document defining the general state of the art which is not considered to be of particular relevance invention  *A* document defining the general state of the art which is not cited to understand the principle or theory underlying the invention										
*X* document of particular relevance; the claimed invention filing date  *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another  *Y* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  *Y* document of particular relevance; the claimed invention										
citation or other special reason (as specified)  O' document reterring to an oral disclosure, use, exhibition or other means  other means  other means  ocument of particular retevance, the claimed invention cannot be considered to involve an invention document is combined with one or more other such document is combined with one										
'P' document published prior to the international filing date but in the art.  'at document member of the same patent family										
Date of the	Date of the actual completion of the international search  Date of mailing of the international search report									
1	5 February 2005	25/02/2005								
Name and	mailing address of the ISA European Patent Office, P.B. 5813 Patentlaan 2	Authorized officer								
NL - 2280 HV Rijswijk Tet (+31-70) 340-2040. 1x. 31 651 epo nl, Fax: (+31-70) 340-3016		Holzwarth, A								

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP2004/052607

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4681979	A	21-07-1987	JP	1859469 C	27-07-1994
			JP	5074578 B	18-10-1993
			JP	62114649 A	26-05-1987
			CA	1254586 A1	23-05-1989
•			DE	3663802 D1	13-07-1989
·			EP	0222356 A1	20-05-1987
US 5210363	Å	11-05-1993	US	5130287 A	14-07-1992
EP 0219609	Α	29-04-1987	US	4490567 A	25-12-1984
			EP	0219609 A1	29-04-1987
			ΑT	60041 T	15-02-1991
			DE	3382128 D1	21-02-1991
			ΑT	35512 T	15-07-1988
			CA	1189848 A1	02-07-1985
			DE	3377268 D1	11-08-1988
			ΕP	0091662 A2	19-10-1983